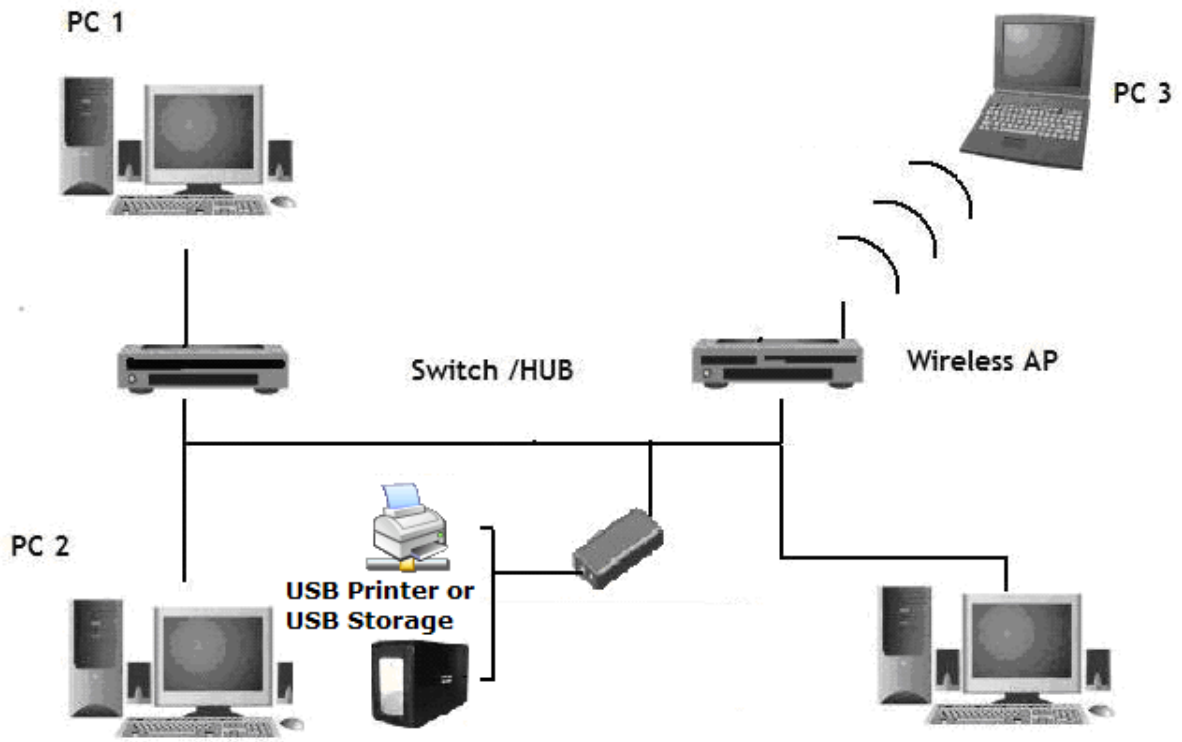
USB Networking Server User's Manual

INDEX

1. Product features ……P2
2. Hardware installations ……P2
3. Driver installation ……P2
4. How to install "Bonjour" Utility for connection with an USB Printer ……P3
5. How to use "Bonjour" to connect your printer ……P6
6. How to install Rally Utility for connection with USB Storage Device ……P10
7. USB Networking Server Configuration via web ……P17
8. USB Networking Server Management ……P21

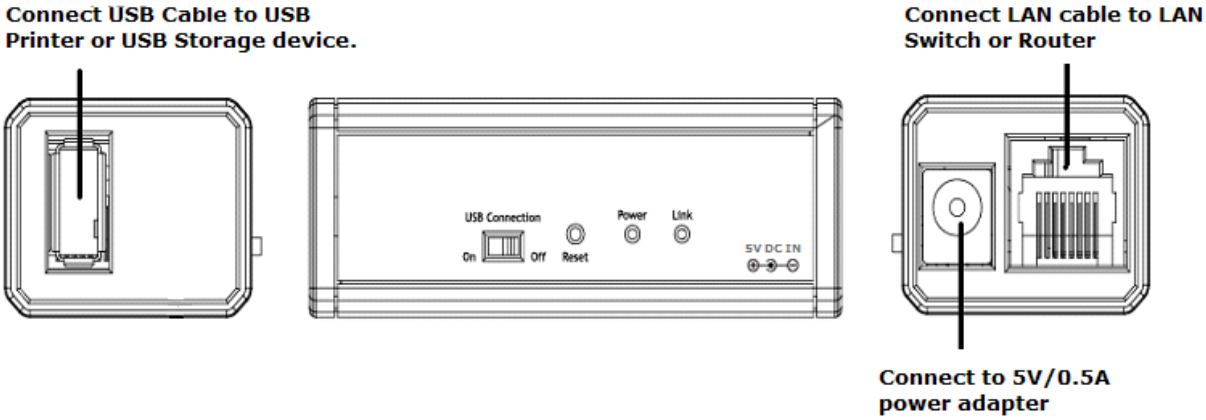


1. Product features

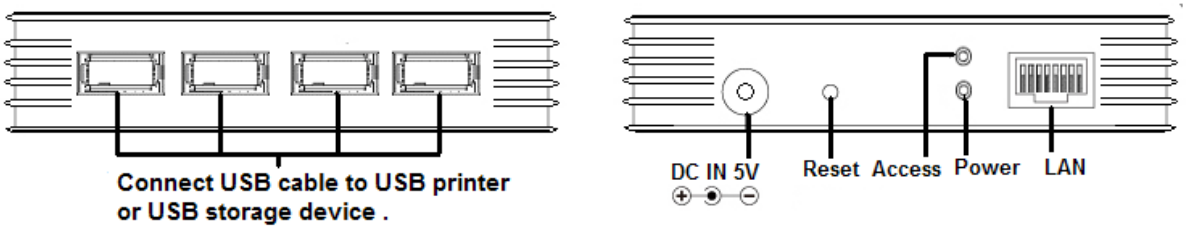
- Work with both USB printer or USB storage device and turn it to network shared device **(the connected device named as Rally Network Device here)**
- Support USB1.1/USB2.0 (Hi-speed) specification.
- Support 802.3/3u transceiver, compliant with 100BASETX and 10BASE-T PMD level standards.
- Supports LED indicators for Ethernet connection.
- Supports majority Ethernet protocols TCP/IP, WSD, UPnP
- Support Windows XP, Vista

2. Hardware installations

- For 1port USB Networking server



- For 4Port USB Networking server



3. Driver installation

Depending on the device you connect (USB Printer or USB Storage) with USB Networking Server; you will need to install proper Utility Driver.

- For Printer: please install Utility from “Utility Driver\Printer\BonjourSetup.exe”

- For Storage device: please install Utility from “Utility Driver\Storage\Windows 32-bit or Windows 64-bit (please select proper driver in 32-bit or 64-bit folder according to your os and processor)

4. How to install “Bonjour” Utility for connection with an USB Printer

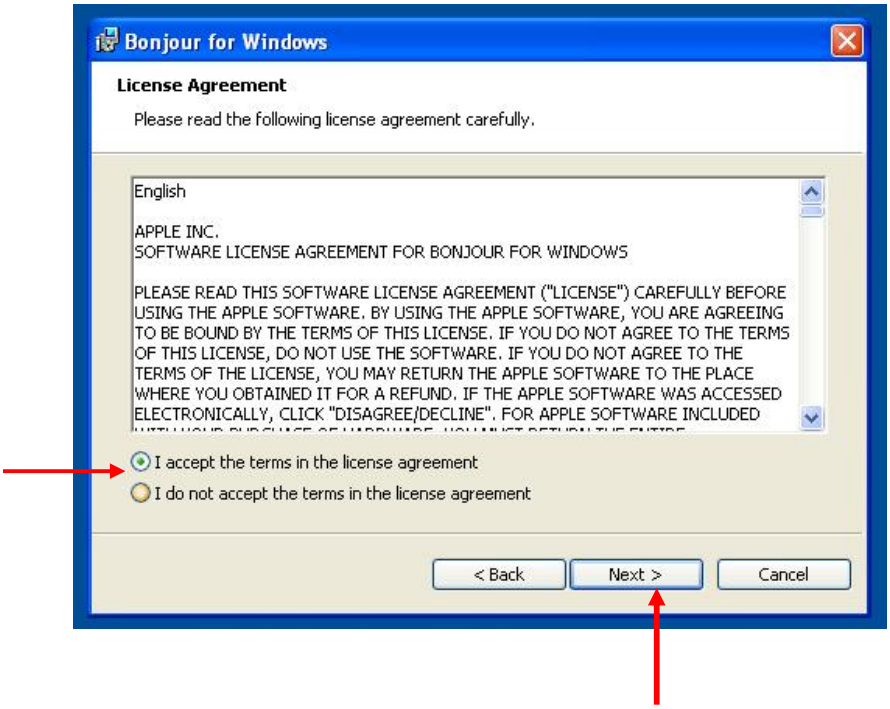
4.1 Connect your printer USB cable to USB Networking Server to a LAN Switch.

4.2 Install “Bonjour” (Utility Driver\Printer\BonjourSetup.exe) by clicking “BonjourSetup” to install it.

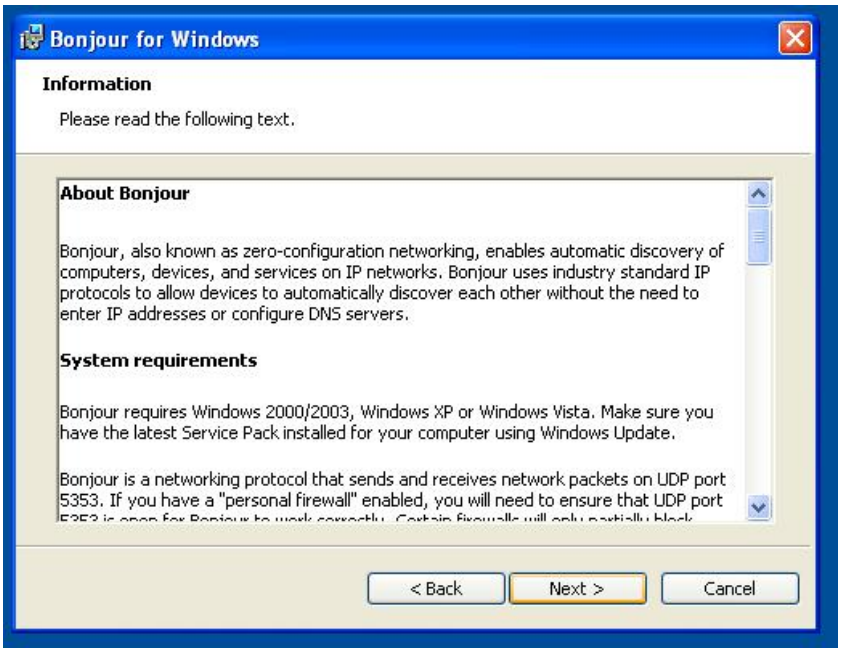
4.3 Click on “**NEXT”**.

Bonjour for Windows
Welcome to the Bonjour Installer
To install Bonjour onto your computer and to configure the firewall settings, please click Next.
1.0.104
< Back
Next >
Cancel

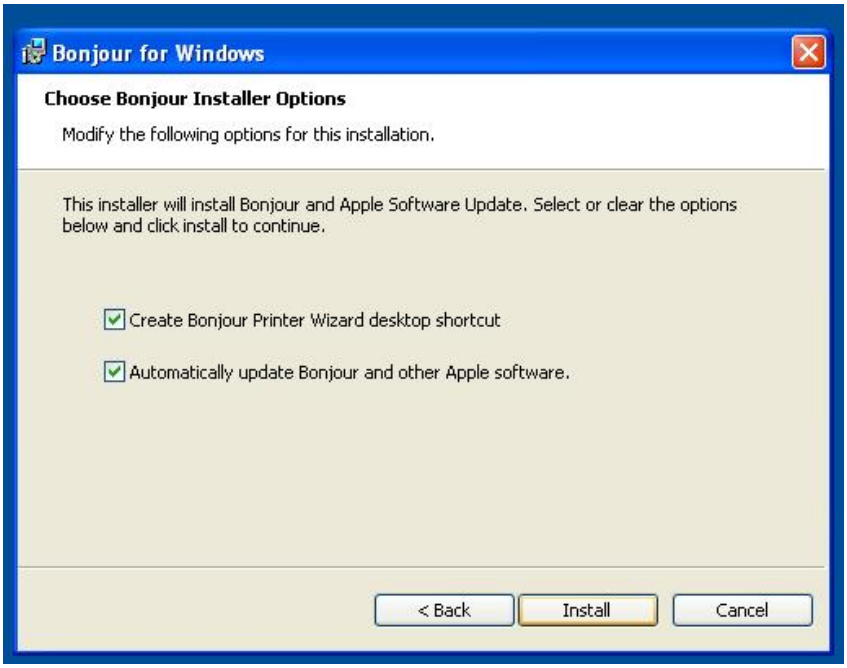
4.4 Select “I accept…..” and click on ”**NEXT**”.


Bonjour for Windows
License Agreement
Please read the following license agreement carefully.
English
APPLE INC.
SOFTWARE LICENSE AGREEMENT FOR BONJOUR FOR WINDOWS
PLEASE READ THIS SOFTWARE LICENSE AGREEMENT ("LICENSE") CAREFULLY BEFORE USING THE APPLE SOFTWARE. BY USING THE APPLE SOFTWARE, YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS LICENSE. IF YOU DO NOT AGREE TO THE TERMS OF THIS LICENSE, DO NOT USE THE SOFTWARE. IF YOU DO NOT AGREE TO THE TERMS OF THE LICENSE, YOU MAY RETURN THE APPLE SOFTWARE TO THE PLACE WHERE YOU OBTAINED IT FOR A REFUND. IF THE APPLE SOFTWARE WAS ACCESSED ELECTRONICALLY, CLICK "DISAGREE/DECLINE". FOR APPLE SOFTWARE INCLUDED
I accept the terms in the license agreement
I do not accept the terms in the license agreement
< Back
Next >
Cancel

4.5 Click on "**NEXT**".


Bonjour for Windows
Information
Please read the following text.
About Bonjour
Bonjour, also known as zero-configuration networking, enables automatic discovery of computers, devices, and services on IP networks. Bonjour uses industry standard IP protocols to allow devices to automatically discover each other without the need to enter IP addresses or configure DNS servers.
System requirements
Bonjour requires Windows 2000/2003, Windows XP or Windows Vista. Make sure you have the latest Service Pack installed for your computer using Windows Update.
Bonjour is a networking protocol that sends and receives network packets on UDP port 5353. If you have a "personal firewall" enabled, you will need to ensure that UDP port
< Back
Next >
Cancel

4.6 Click on "**Install**" to create a shortcut on desktop and for automatic update.


Bonjour for Windows
Choose Bonjour Installer Options
Modify the following options for this installation.
This installer will install Bonjour and Apple Software Update. Select or clear the options below and click install to continue.
Create Bonjour Printer Wizard desktop shortcut
Automatically update Bonjour and other Apple software.
< Back
Install
Cancel

4.7 Click on “Finish” to complete the installation.

4.8 A “Bonjour” icon is shown on the desktop.

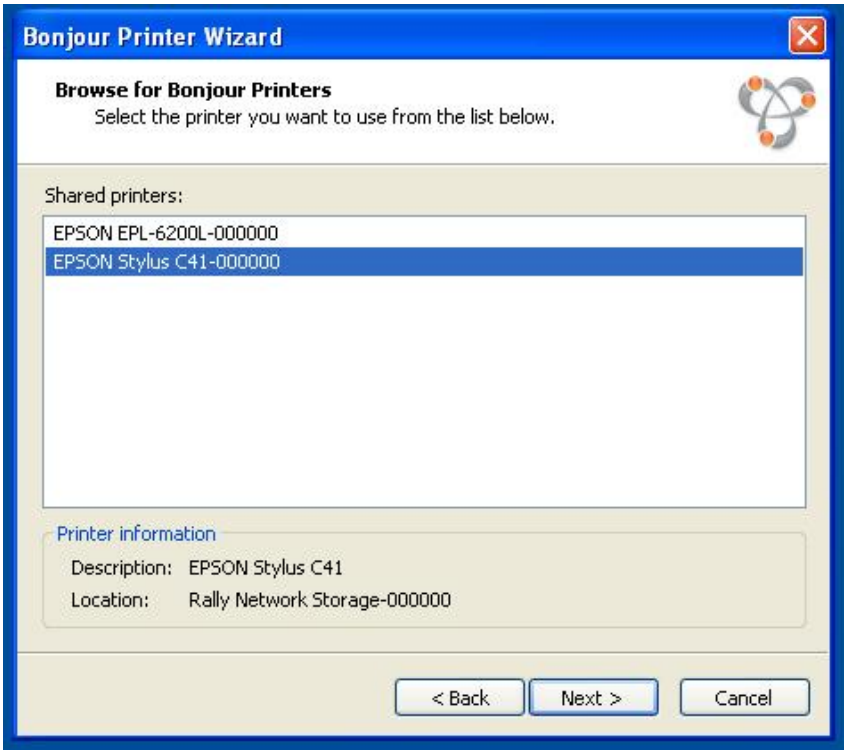
5. How to use “Bonjour” to connect your printer

5.1 Click “**Bonjour Printer Wizard**” icon to run the program.

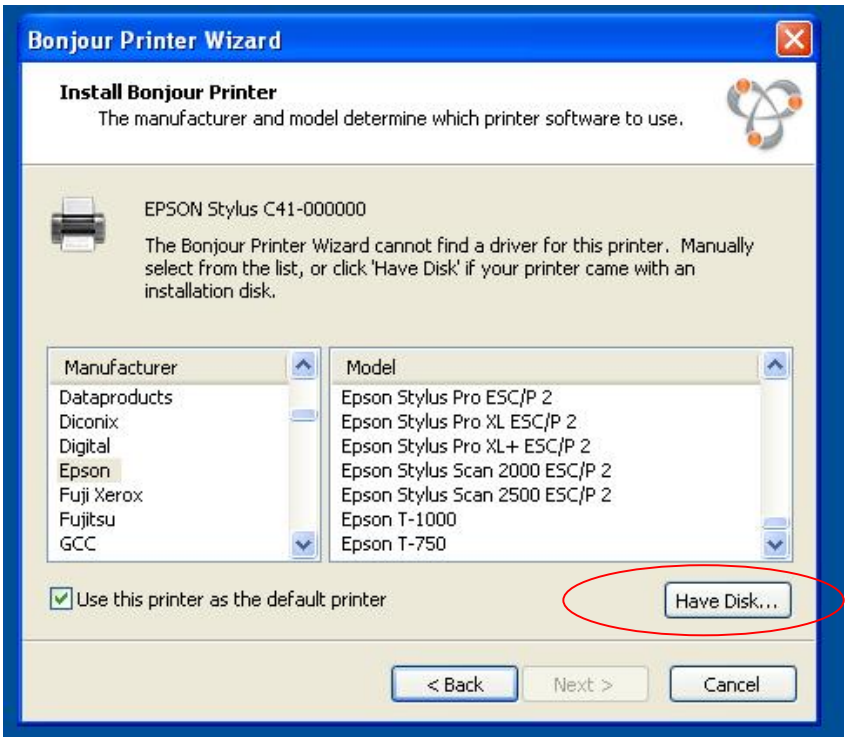
5.2 Click “**NEXT**”.

Bonjour Printer Wizard
Welcome to the Bonjour Printer Wizard
This wizard helps you connect to a shared printer using Bonjour. Make sure your printer is turned on and connected to your network.
To continue, click Next.
< Back
Next >
Cancel

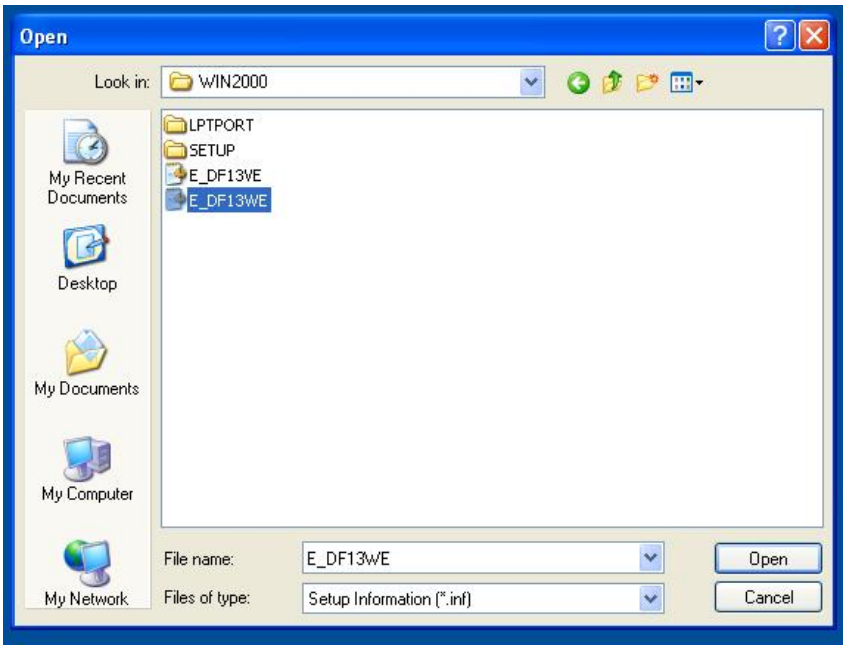
5.3 You would find a shared printer list and select the printer you wish to connect (EPSON Stylus C41 as example here). Click “**NEXT**”.



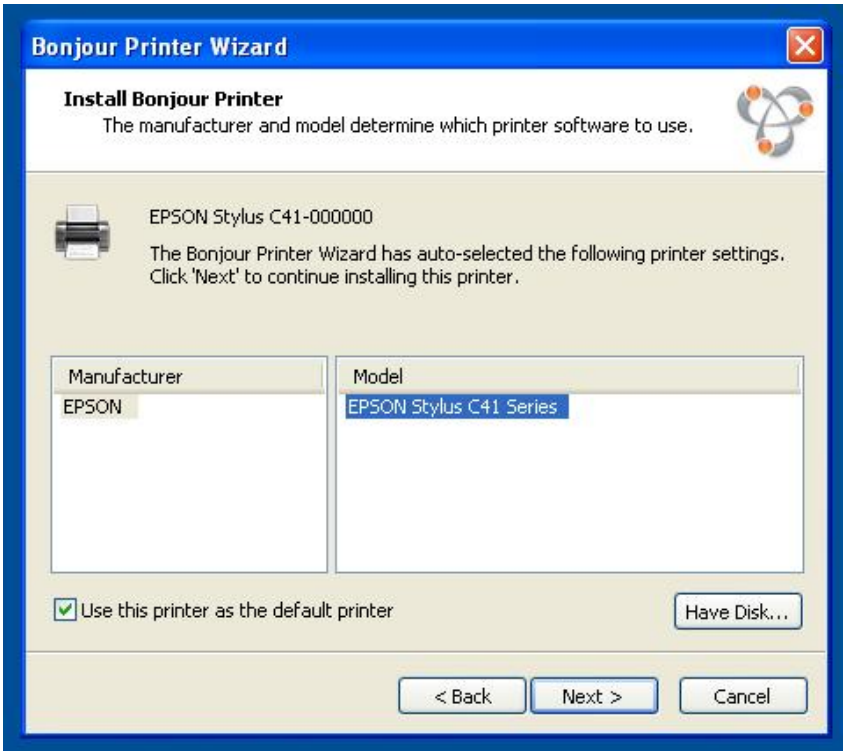
5.4 You are required to install the selected printer driver now. If you already installed, the printer driver before, you should be able to find the printer model on the list. If you never install the printer driver before, you will need to install the printer now. Input your printer driver CD and Click "**Have Disk**" to install the printer driver.


Bonjour Printer Wizard
Install Bonjour Printer
The manufacturer and model determine which printer software to use.
EPSON Stylus C41-000000
The Bonjour Printer Wizard cannot find a driver for this printer. Manually select from the list, or click 'Have Disk' if your printer came with an installation disk.
Manufacturer
Dataproducts
Diconix
Digital
Epson
Fuji Xerox
Fujitsu
GCC
Model
Epson Stylus Pro ESC/P 2
Epson Stylus Pro XL ESC/P 2
Epson Stylus Pro XL+ ESC/P 2
Epson Stylus Scan 2000 ESC/P 2
Epson Stylus Scan 2500 ESC/P 2
Epson T-1000
Epson T-750
Use this printer as the default printer
Have Disk...
< Back
Next >
Cancel

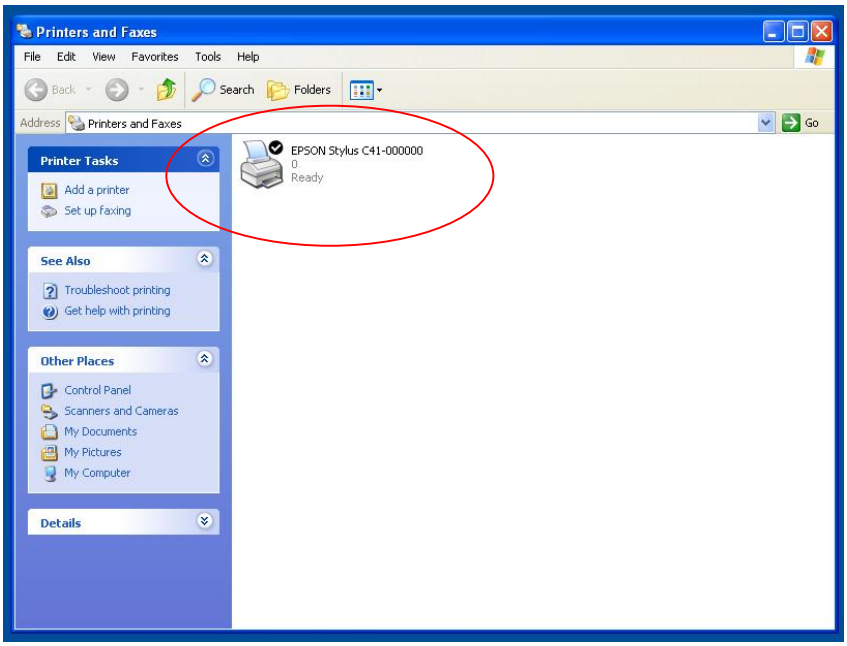
5.5 Select proper Driver to install.



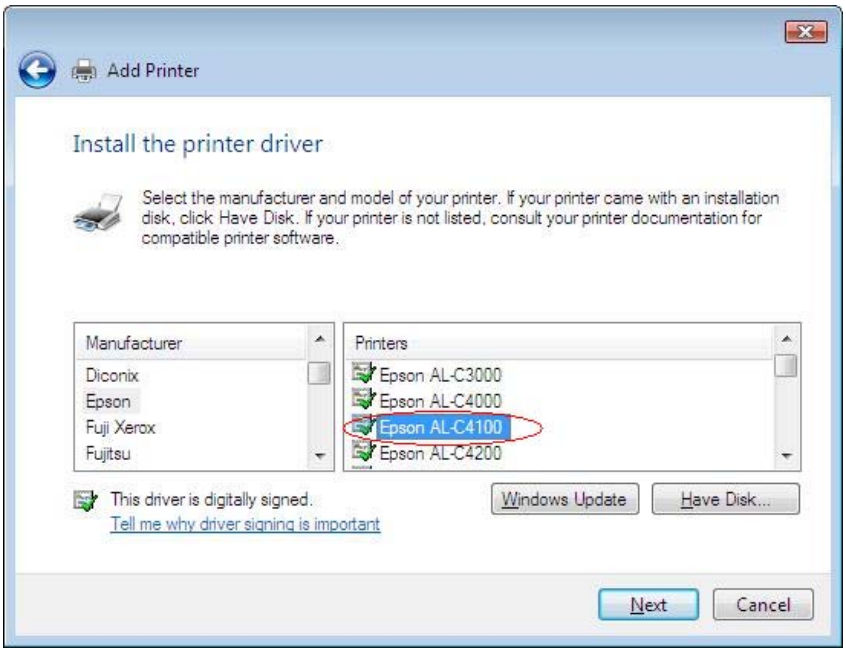
5.6 From "**Bonjour**" Printer Wizard, please check if the correct printer Manufacturer and Model are shown on the list. Click "**NEXT**" to continue.


Bonjour Printer Wizard
Install Bonjour Printer
The manufacturer and model determine which printer software to use.
EPSON Stylus C41-000000
The Bonjour Printer Wizard has auto-selected the following printer settings.
Click 'Next' to continue installing this printer.
Manufacturer
Model
EPSON
EPSON Stylus C41 Series
Use this printer as the default printer
Have Disk...
< Back
Next >
Cancel

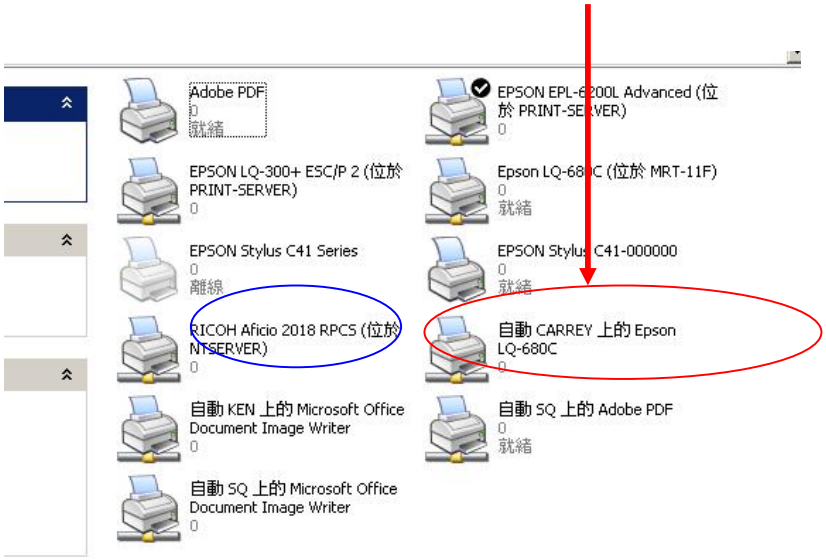
5.7 After the installation, you will find the printer you just installed.



5.8 To print a document, you just select the printer you just installed to print it.



5.9 You will be able to identify which printer is connected with USB Networking Server by the printer model name with an indication of its MAC address (e.g. –xxxxxxx)



6. How to install Rally Utility for connection with USB Storage Device

First of all, you need to find the proper Utility Driver according to your OS system (Utility Driver/Storage/Windows Windows 32-bit or Windows 64-bit). Follow different version utility are available.

- Windows 32-bit XP & Vista
- Windows 64-bit XP
- Windows 64-bit Vista

In this case, Windows XP 32-bit.

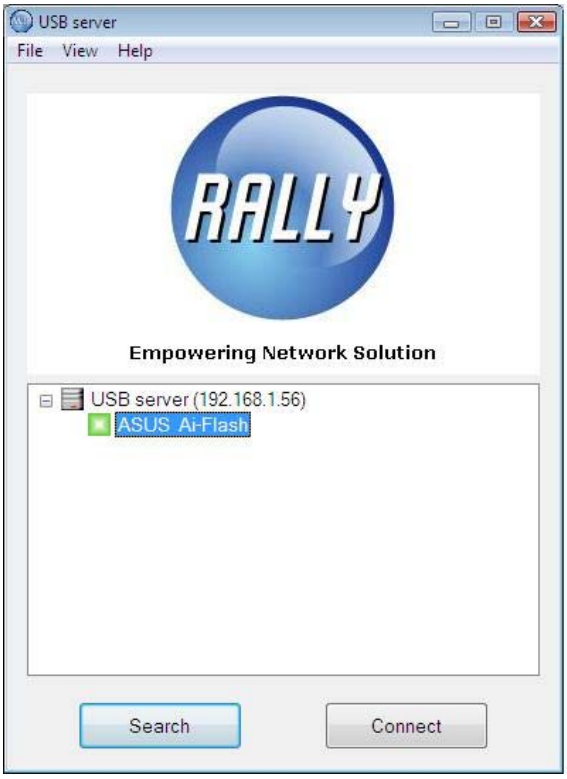
6.1 Click “Rally Setup (XP &Vista-32 bit).exe” to install the Utility.

6.2 Run Rally Utility Software

After the installation is completed, Rally icon will appear on your computer desktop. Double click it to run Rally Utility Software.

6.3 Search for Rally Network Device

Click on “**Search**” button or double lick on Rally banner to search for Rally Network Device on local network. A device list will show all Rally Network Storage Devices on your local network.

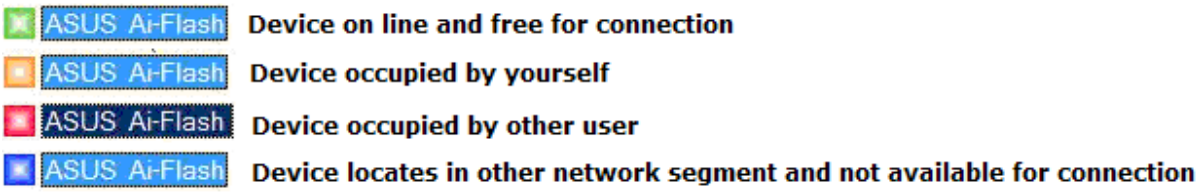


Important information:

When a Rally Network Storage Device is connected directly to a computer or to a LAN hub without a DHCP server function, you simply set your computer IP to be with the same network segment (such as 169.254.10.xxx) with Rally Network Device default IP (169.254.10.10) and then you can locate the device by using Rally Utility Software.

6.4 Rally Network Device icon status

When Rally Network Device is found, you can tell from its icon about its status.

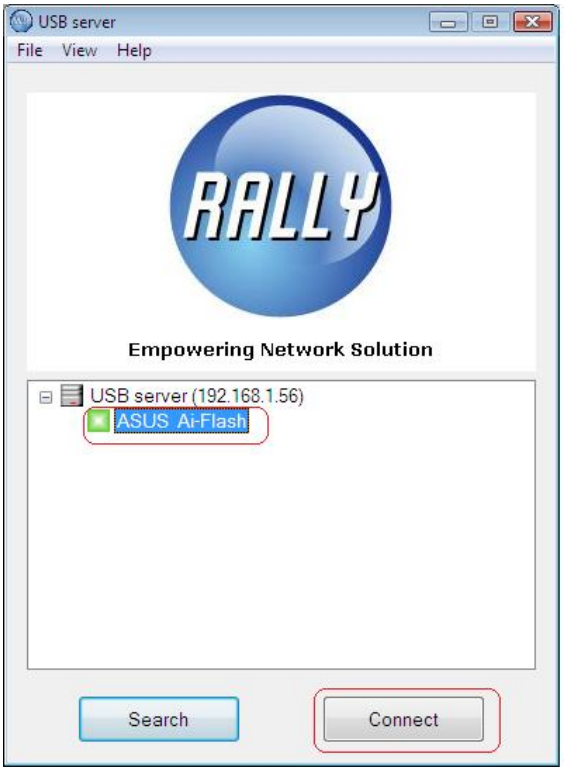

ASUS Ai-Flash
Device on line and free for connection
ASUS Ai-Flash
Device occupied by yourself
ASUS Ai-Flash
Device occupied by other user
ASUS Ai-Flash
Device locates in other network segment and not available for connection

6.5 Connect to USB Network Storage Device

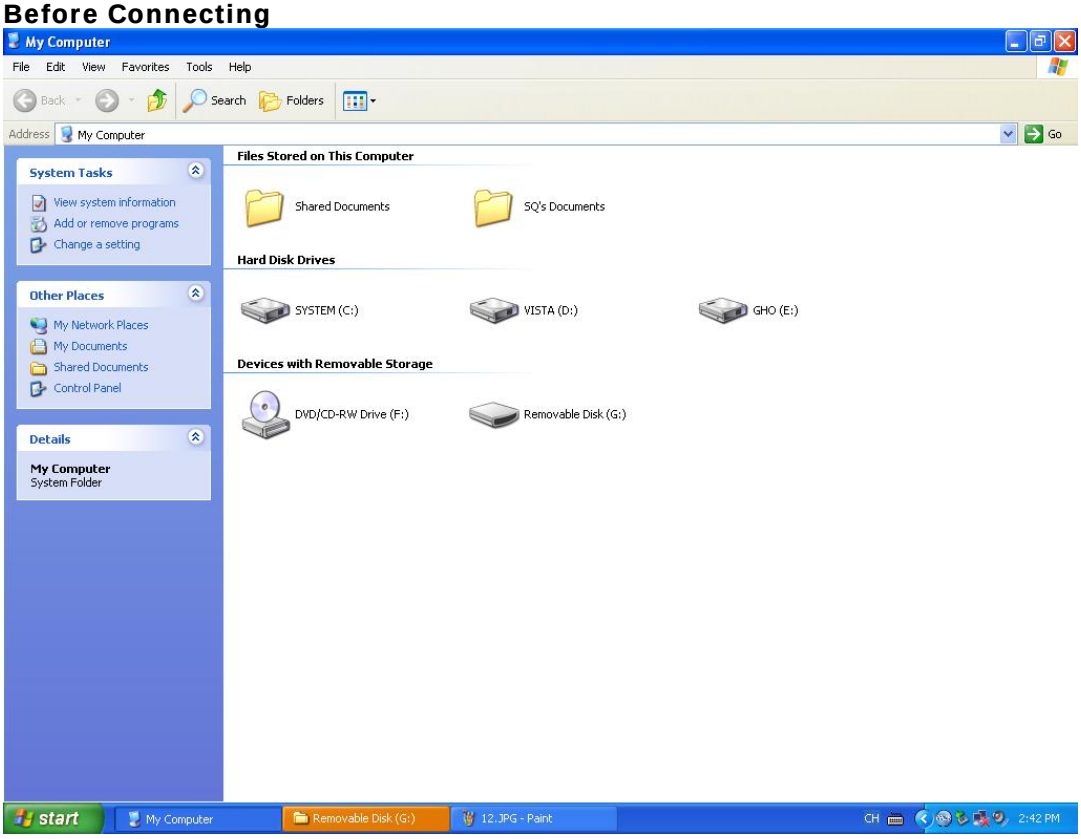
Before you can use a Rally Network Device, you must first connect to it. You can think of this "Connect" operation as plugging an external USB storage device into your PC. Please note that a device can only be connected by ONE user as a time. The device icons on the device list of the utility would show whether the Rally Network Device is free to use or is occupied.

To connect to the device, please click on **"Connect"** button. The connecting process would take a few seconds. Once connected, the Rally Network Device would appear under "My

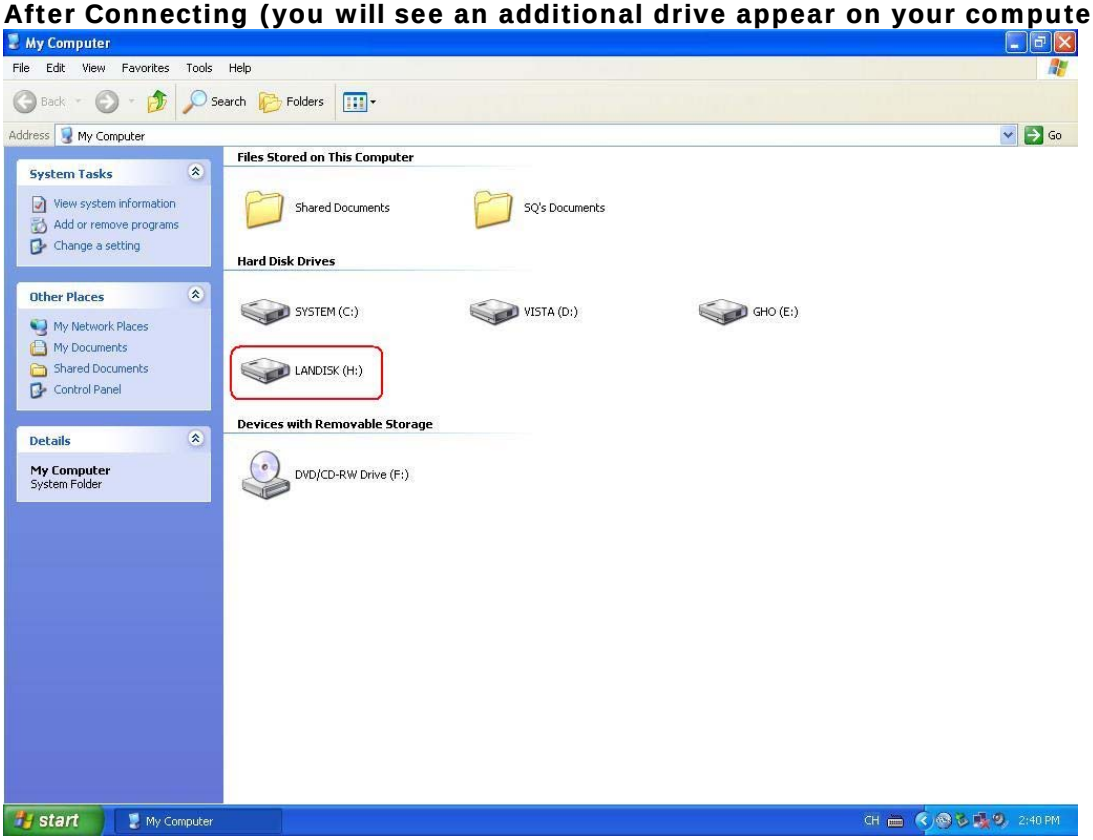
Computer” as one of your local drives. A “free” Rally Network Device would be indicated by an icon that looks like this (in green color):



Before Connecting

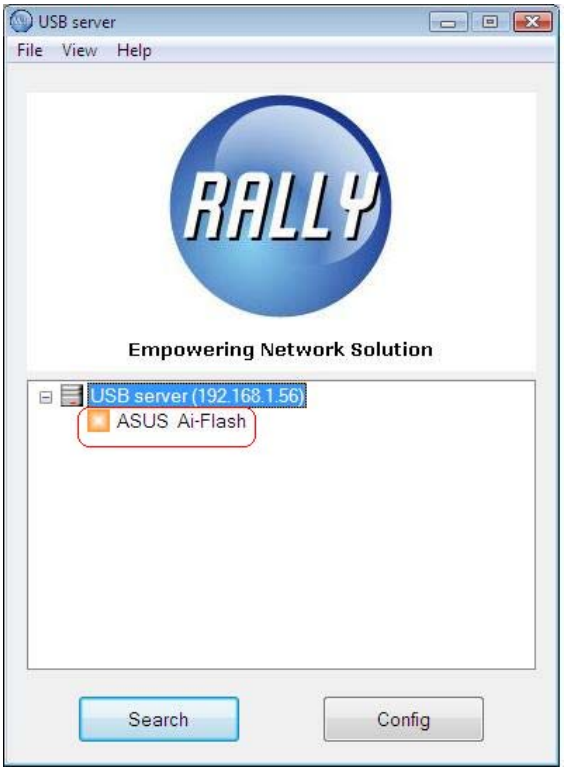


After Connecting (you will see an additional drive appear on your computer)



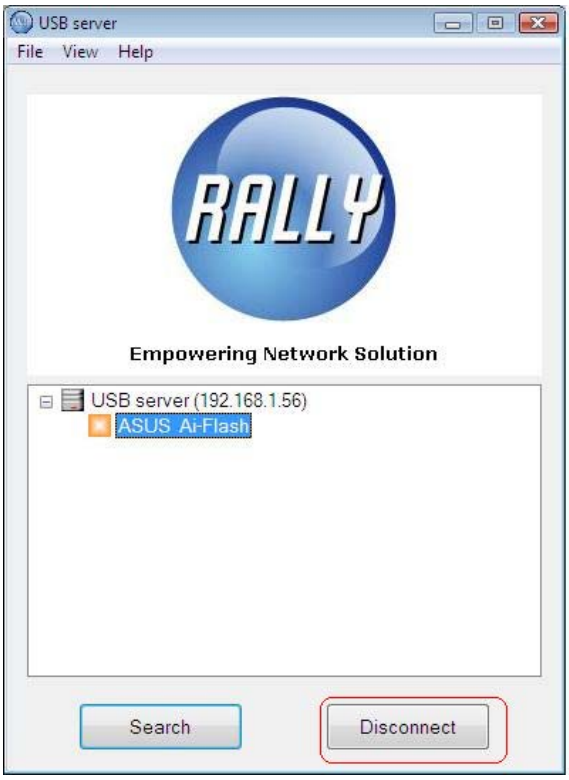
6.6 Connected device icon

You can then access data on the Rally Network Device as you would from a local hard drive on your PC. Once connected, the device icon changes on the utility:

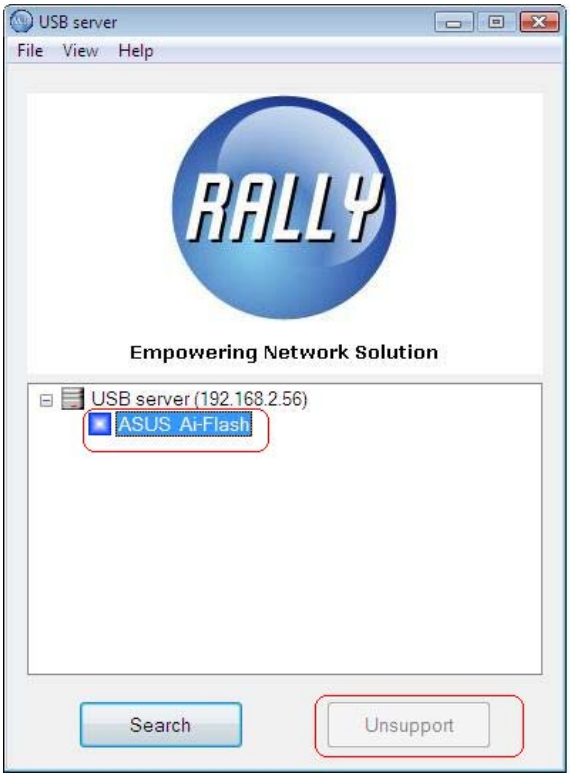


6.7 Disconnect from Rally Network Enclosure
To disconnect a device, please click on "**Disconnect**" button. As each Rally Network Device could only be connected by one user at each time, it is important that you disconnect a device once you are done with it so other users could use it.

The icon below indicates that this device is currently occupied by you. Click on the "**Disconnect**" button to disconnect with the device.



6.8 Device locates in other network segment
When Rally Network Device is not located in the same network segment, you will be able to find the device but unable to connect to it. In the picture below, the device is found with blue icon and an "**Unsupport**" disabled button which indicates the device is in other network segment.

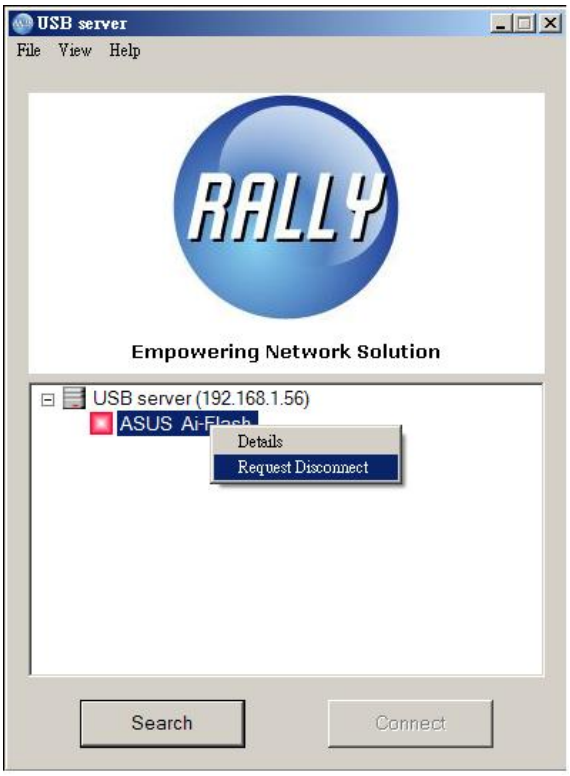


In this case, you can disconnect the device and right click your mouse on “USB Server” and select “**Setting**” to change its IP setting, or you can change the IP of your computer to be in the same segment as of the Rally Network Device. Please refer to 8.1 for more information.

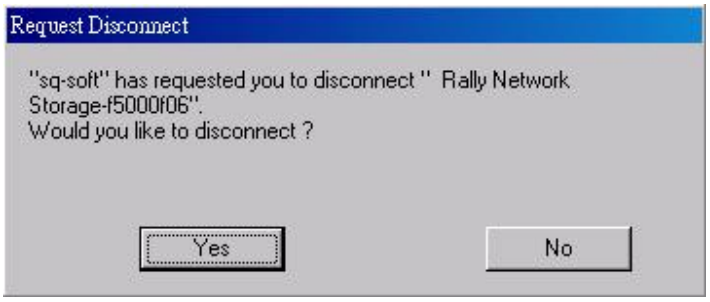
6.9 Device Control Request

To request other user to release a Rally Network Device, you can use the "**Request Disconnect"** option from the mouse right-click menu.

The Rally Network Enclosure icon shows the device is currently connected by other user.

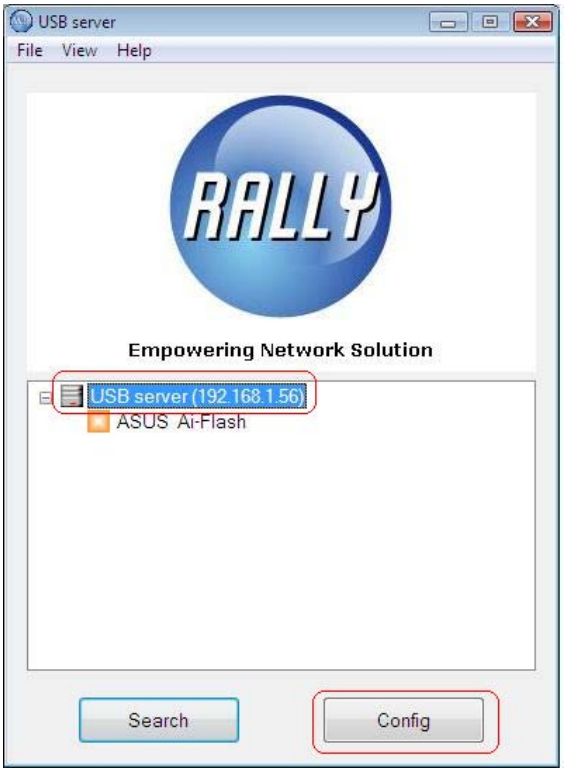


The user who connected to the device will receive a request message for him to decide if agree to disconnect from Rally Network Device.


Request Disconnect
"sq-soft" has requested you to disconnect " Rally Network Storage-f5000f06".
Would you like to disconnect ?
Yes
No

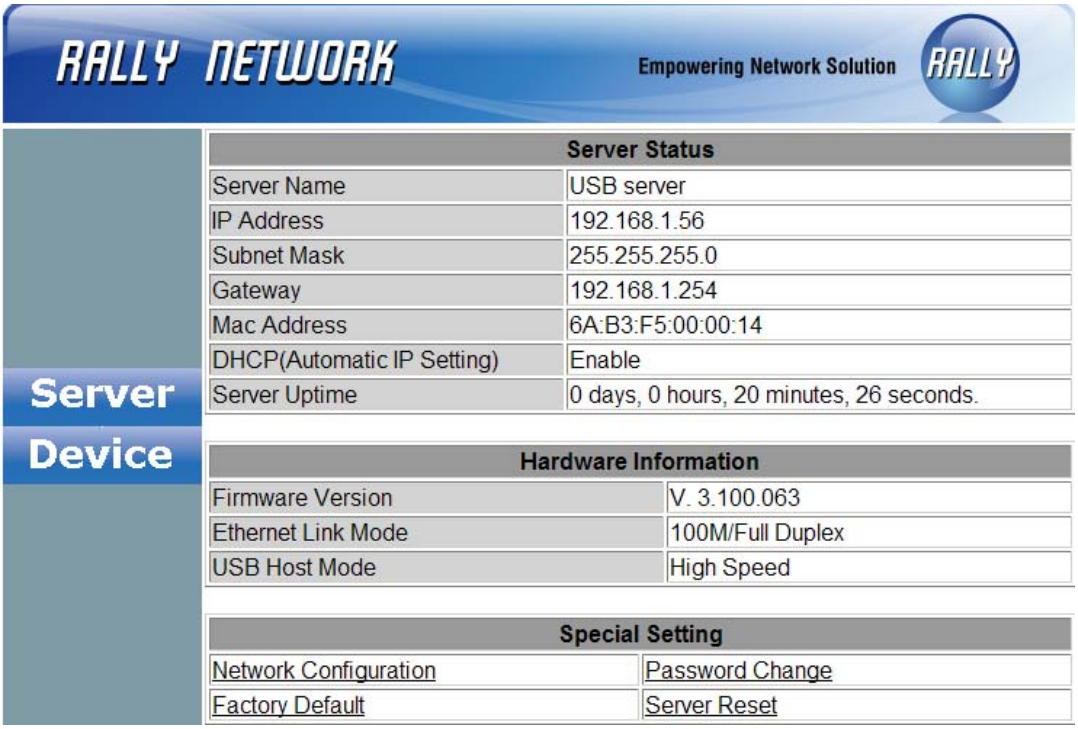
7.0 USB Networking Server Configuration

To monitor or maintain a device connected to USB Networking Server, you can click on USB Server and selection "**Config**" button to open up the web-based management GUI of a device.



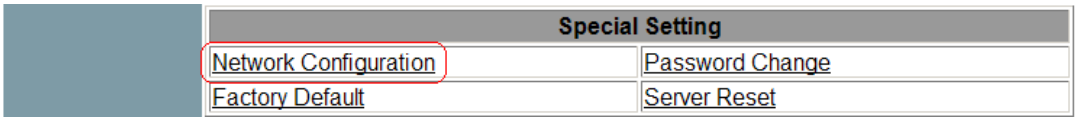
7.1 Server Status

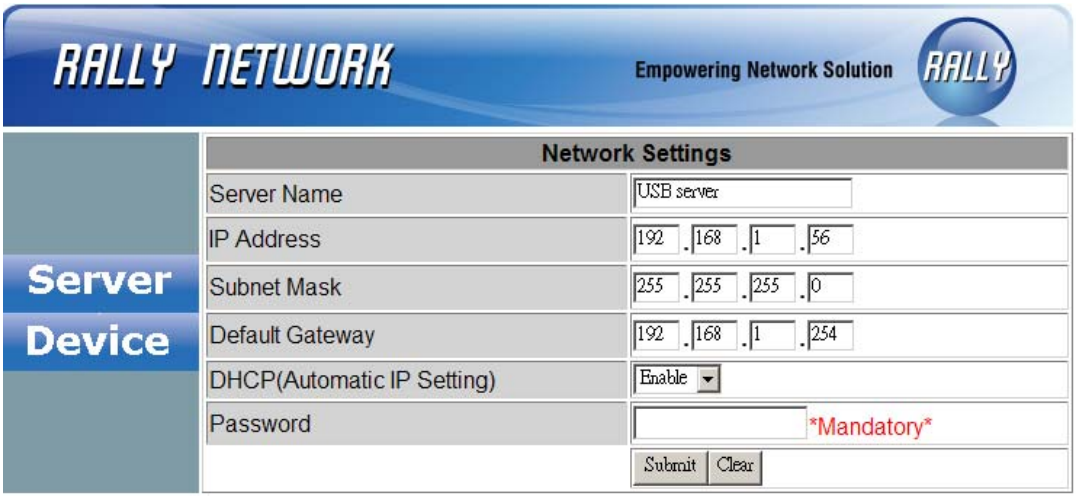
By clicking on "**Server**", you will be able to see all the device information including Server Status (Server name, MAC address, IP Address …etc.), Hardware Information (Firmware version, Ethernet Link Mode…) and Special Setting.



7.1.1 Special Setting
You are able to proceed Network configuration, password setting through "**Special Setting**".

A. Network Configuration
You can do network configuration by clicking on "**Network Configuration**" option in the web control page. You are able to set up Server name, IP Address, Subnet Mask, Default Gateway, DHCP and password.

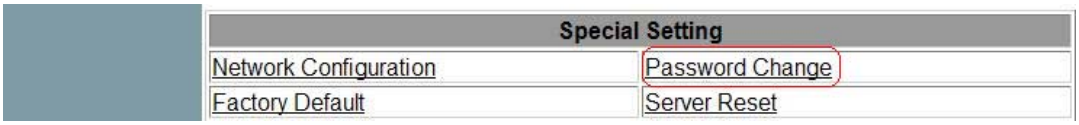




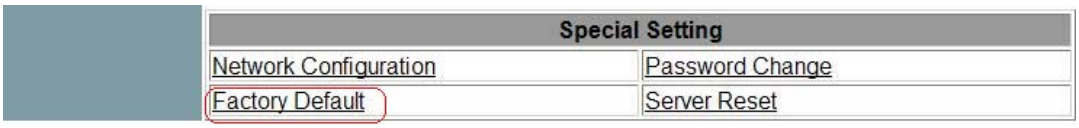
You also able to do Networking setting by right click on Server icon and select "**Setting**".

B Password Set

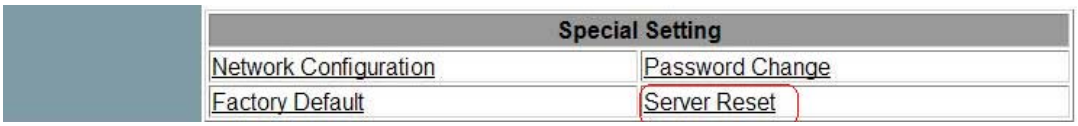
Password Set is a very important function for administration purpose. Once the Rally Network Device is set with a password, you are unable to access to the web control page without the password. The default setting is without any password.



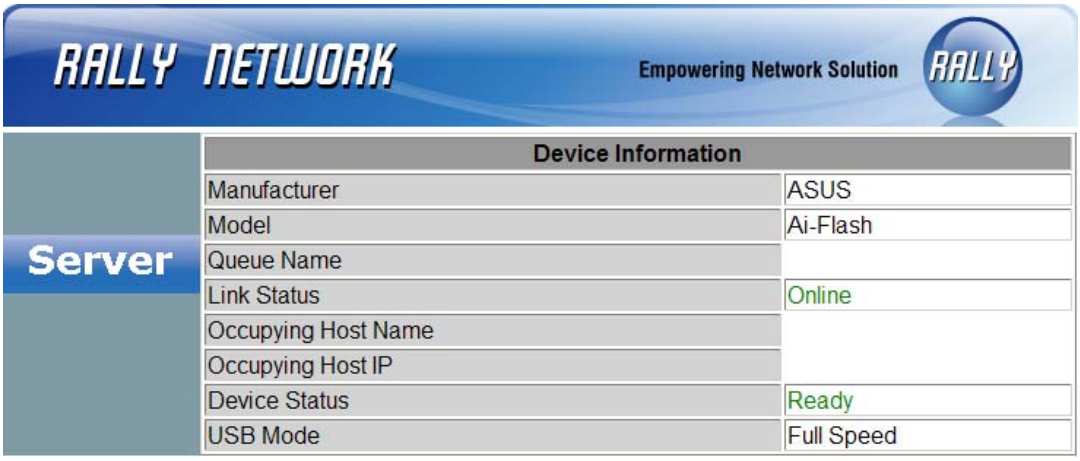
C. Factory Default
You are able to reset Rally Network Device back to the factory default setting and by inputting a password. You can prevent anyone from resetting the default setting without the correct password. The default setting is without any password.



D. Server Reset
Click on "**Server Reset**" button allow you to reset the device via local network.



7.2 Device Status
By clicking on "Device" button, you are able to see the device connected and more device information will be shown by further click on the device

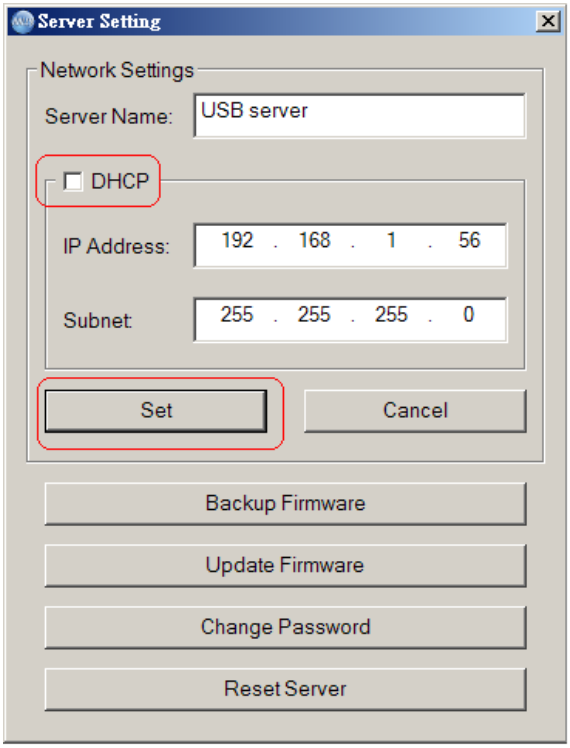


8. USB Networking Server Management

Except for setting from the Web-Control page, you are able to do more setting for the device connected to the USB Networking Server by clicking on the server icon and select "**Setting**"

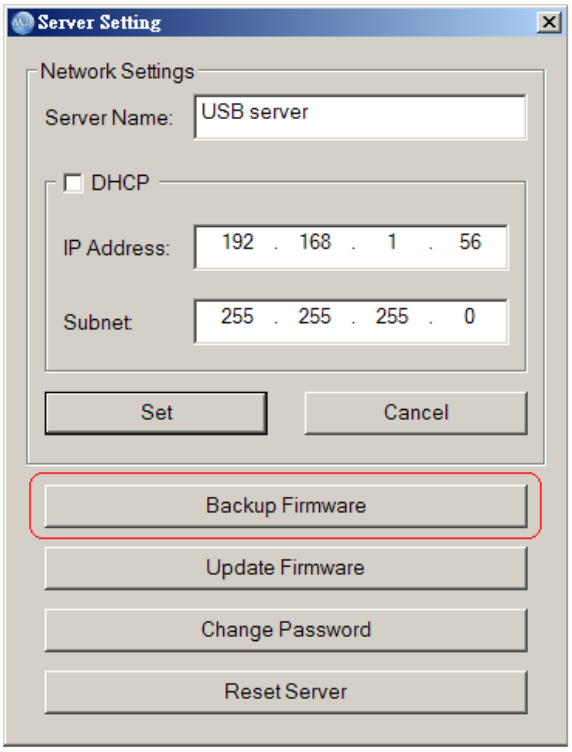
8.1 Change Server name and Network setting

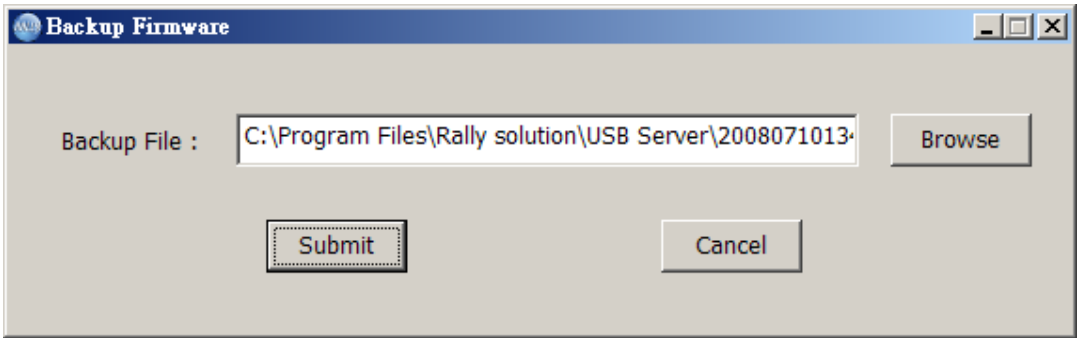
You are able to change server name and also do quick Networking setting here. To change Networking setting, please cancel DHCP selection and input the IP address and Subnet. After the input, click “Set” to confirm setting.



8.2 Backup Firmware

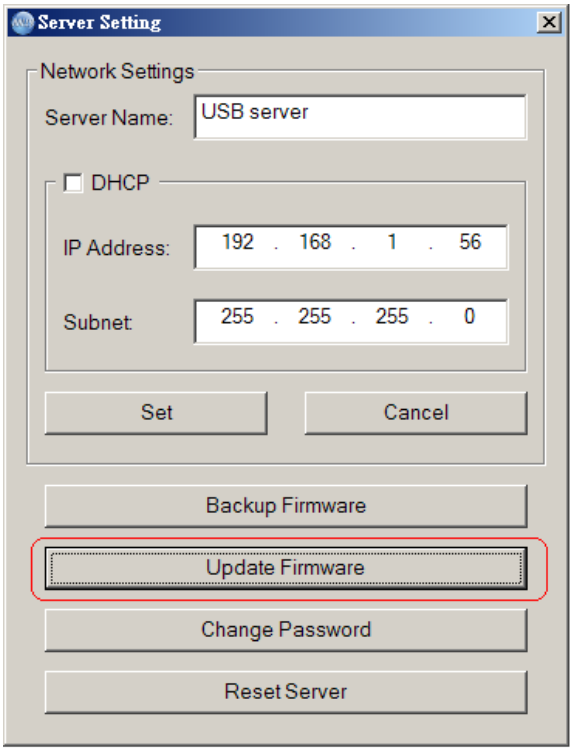
By clicking on Backup Firmware button, you are able to save the current firmware of the Rally network device for backup.

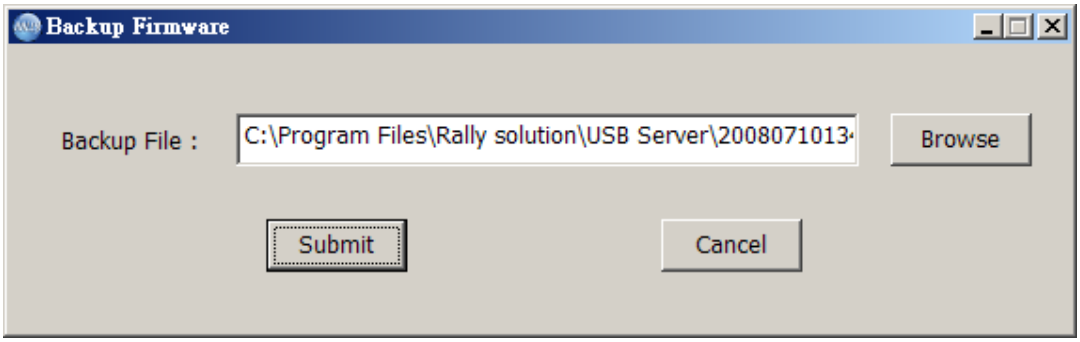




8.3 Firmware Update

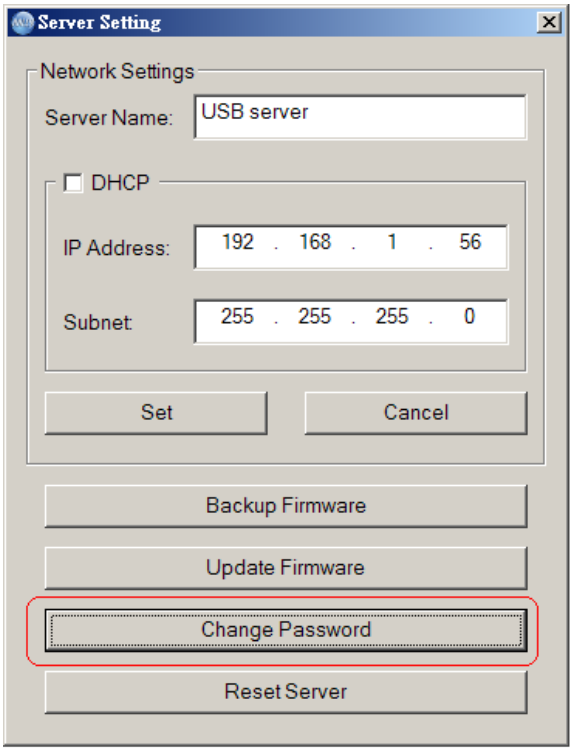
You are able to update the firmware of your Rally Network Device via “Firmware Update” page. Before you update a firmware, please make sure the firmware is workable and from the original vendor who you purchased the device. Be cautious that any failure in firmware update process will damage the device and the device will not work any more.





8.4 Change Password

Clicking on Change Password, you are able to change the password for entering this Setting panel.



8.5 Reset Server

Click on "**Reset Server**" button allow you to reset the device via local network.